Practice worksheet | Quadratics and Parabolas

Quadratic tables and graphs

Name: _____ Date: _____

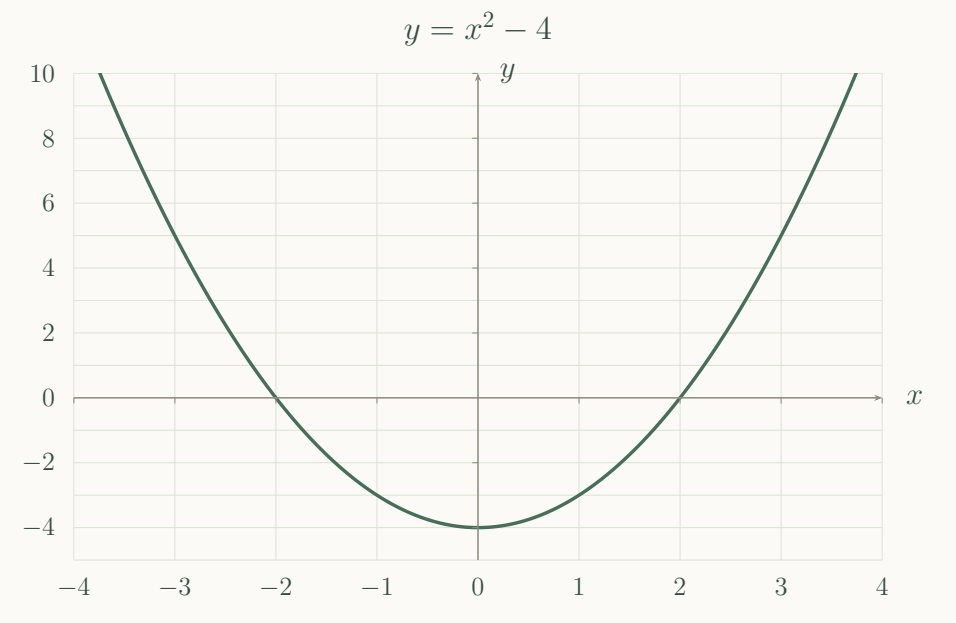
6 questions | 16 marks

1. For $y = x^2 + 1$, find y at $x = -2, 0, 2$. [2 marks]

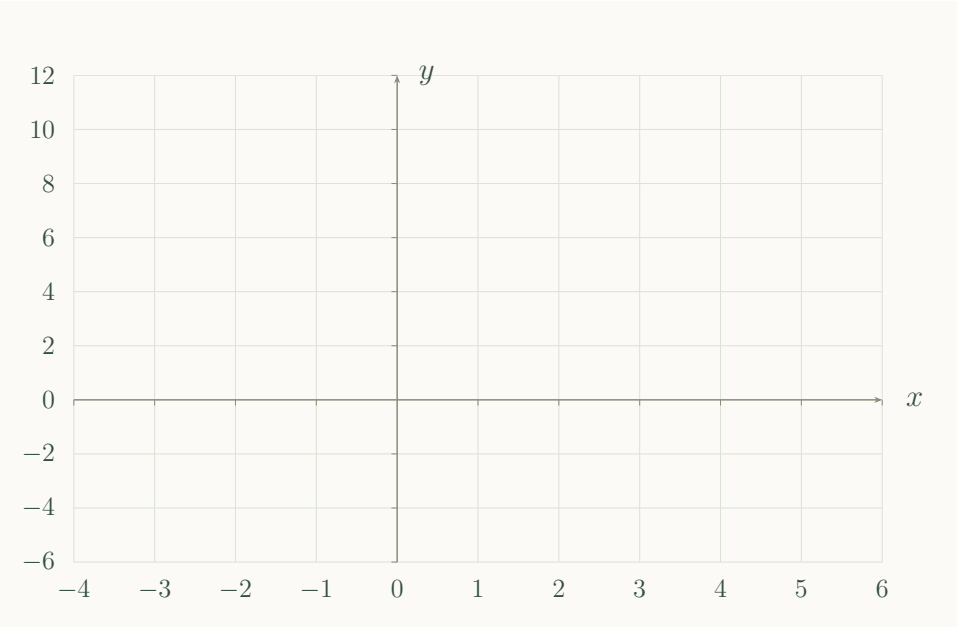
2. For $y = x^2 - 3x$, find y when $x = -2$. [2 marks]

3. Complete the outputs for $y = x^2 - 4$ at $x = -3, -2, -1, 0, 1, 2, 3$. [3 marks]

4. Use the supplied graph of $y = x^2 - 4$ to read its two points on the x-axis. [2 marks]



5. Sketch $y = x^2 + 1$ using at least five points. State the lowest point. [4 marks]



6. Why is joining only $(-2, 4)$ and $(2, 4)$ with a straight line not a sketch of $y = x^2$? [3 marks]